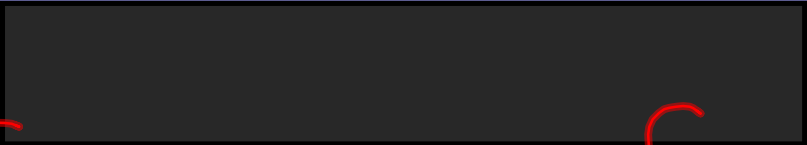
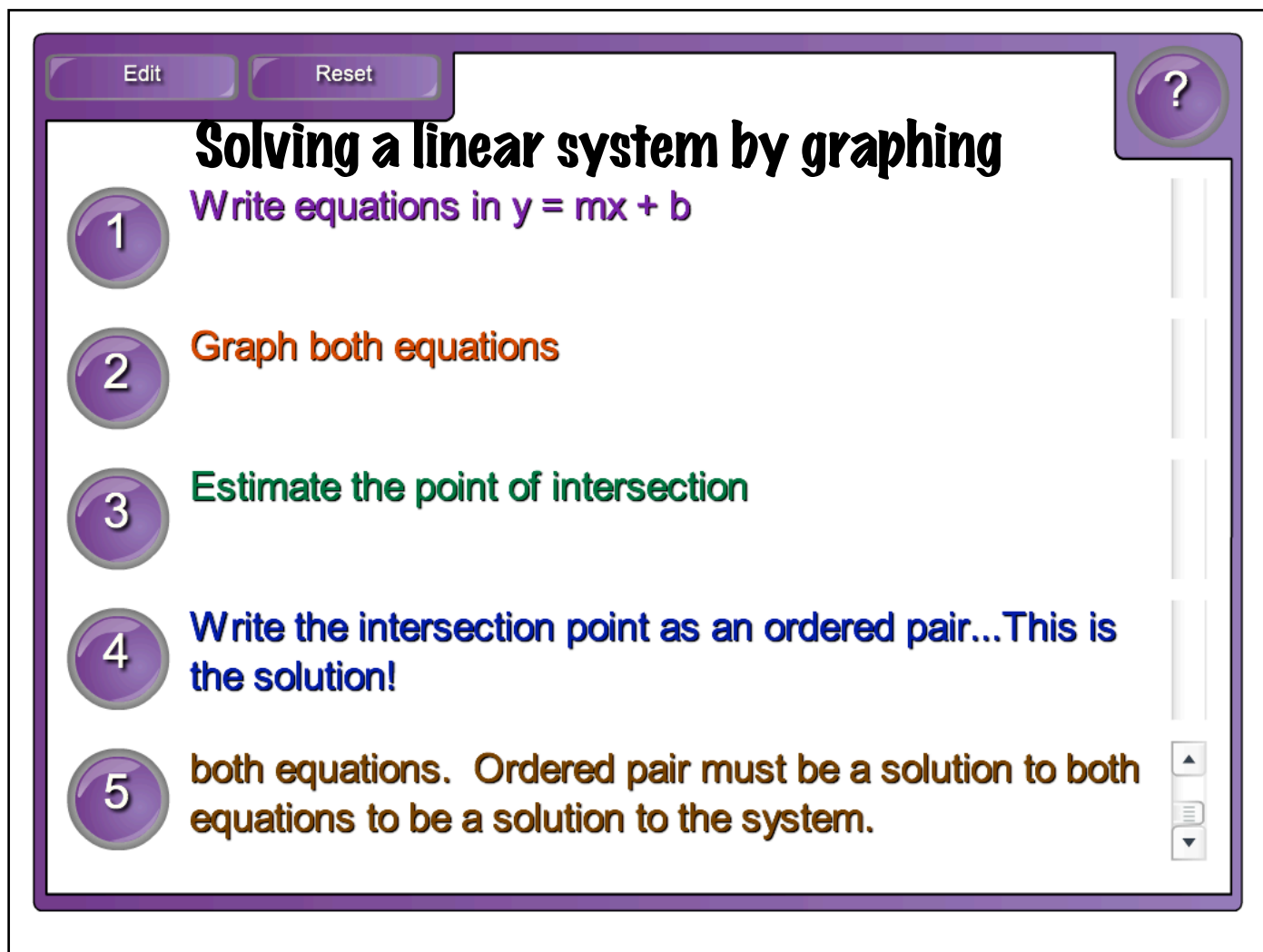


7.1 Solving Linear Systems by Graphing

Linear System:


$$\begin{cases} 3x + 2y = 4 \\ -x + 3y = -5 \end{cases}$$



Edit

Reset

?

Solving a linear system by graphing

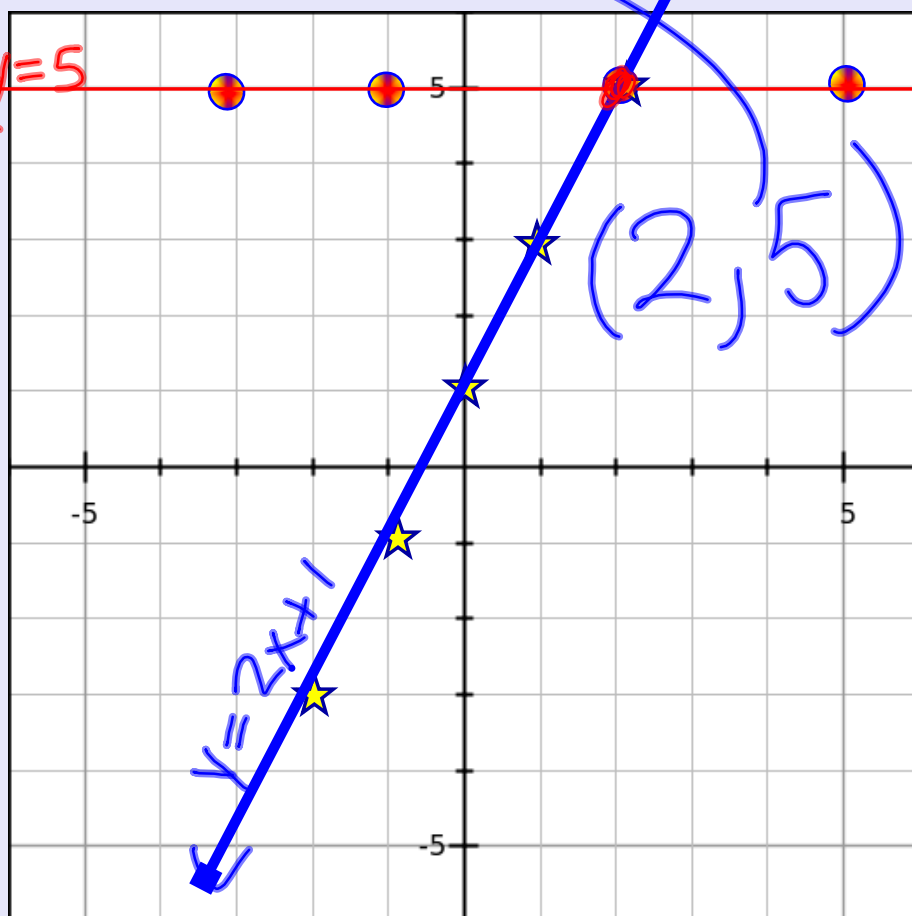
- 1 Write equations in $y = mx + b$
- 2 Graph both equations
- 3 Estimate the point of intersection
- 4 Write the intersection point as an ordered pair...This is the solution!
- 5 both equations. Ordered pair must be a solution to both equations to be a solution to the system.

Solve the system by graphing. Check answers algebraically.

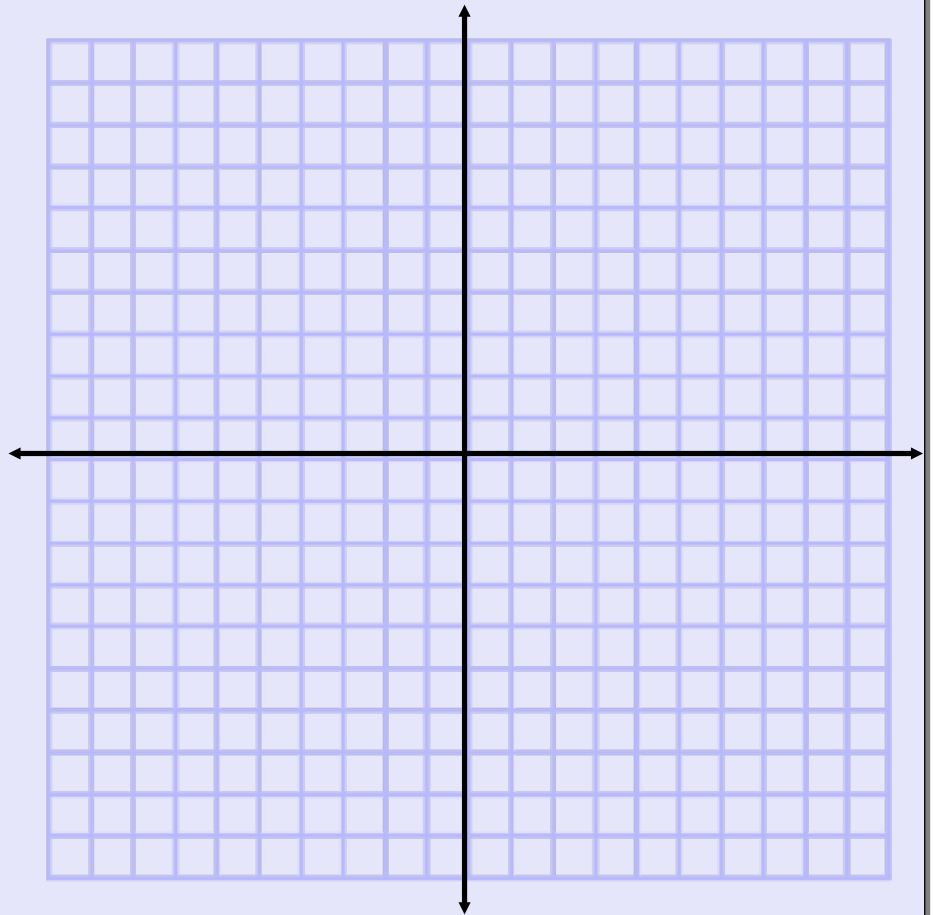
1. $y = 5$
 $y = 2x + 1$

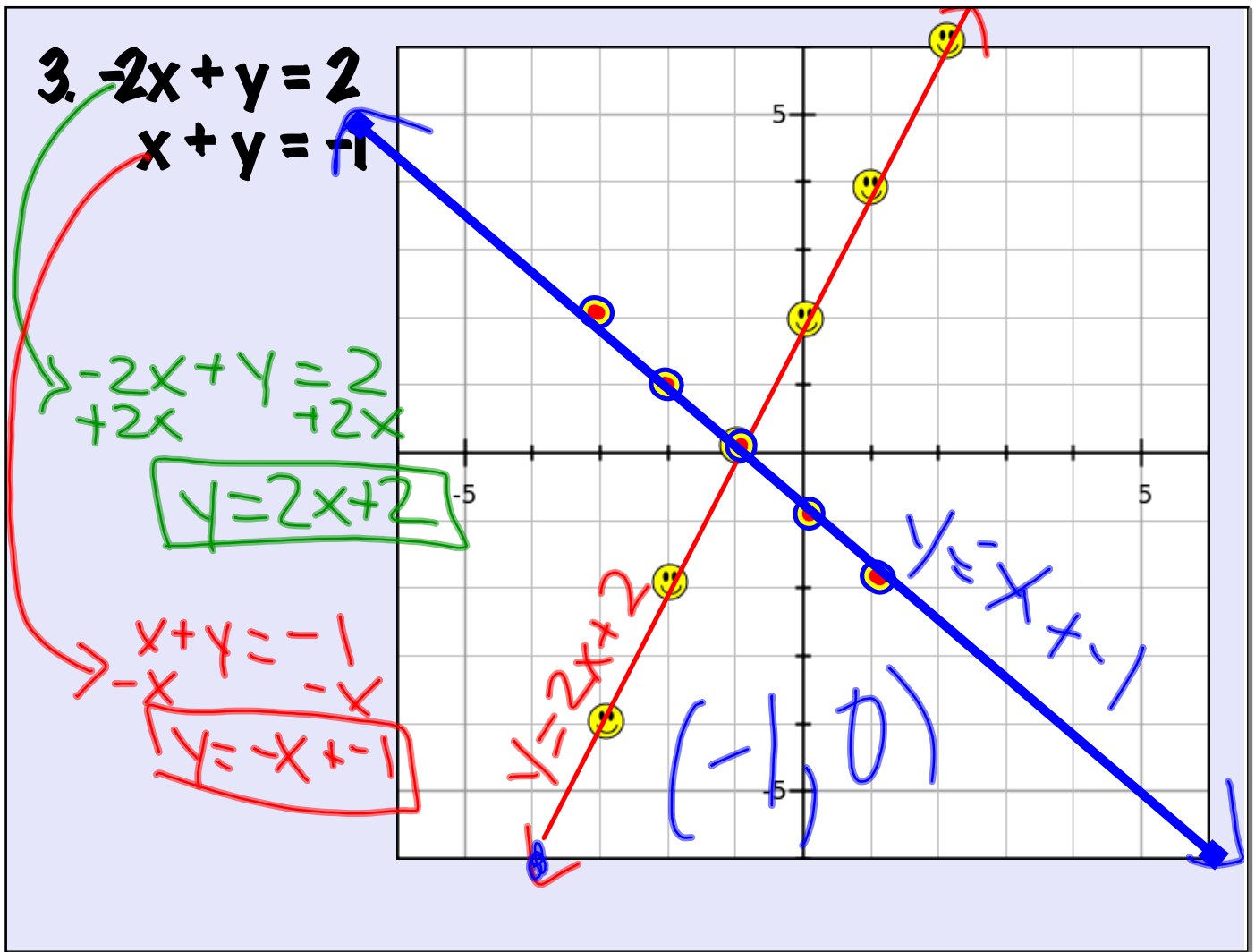
$\Delta y = 5$
 $5 = 5$

$y = 2x + 1$
 $5 = 2 \cdot 2 + 1$
 $5 = 5$



2. $3x + y = 11$
 $x - 2y = 6$





HOMEWORK!